Name: ……

Signature	Stream

545/1
CHEMISTRY
Paper 1
2 Hours

Uganda Certificate of Education
CHEMISTRY
Paper 1
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INSTRUCTIONS:

This paper consists of two sections **A** and **B**. It has six examination items.
Section **A** has two compulsory items.
Section **B** has two parts, Part I and II. Answer **only <u>one</u>** item from each part. Answer four items in all.
Answer to section **A <u>must</u>** be written in the spaces provided while those of Section **B <u>must</u>** be written in the answer sheets provided. Any additional item(s) answered will not be scored.

SECTION A

Answer **both** items provided in this section in the spaces provided.

Item 1:

In one of the suburbs of Kampala capital city, residents have been complaining of stomach ache, increased cholera outbreak in the area due to bacterial invasion in the area. Many of the residents were admitted and diagnosed in one of the nearby Health centres for immediate treatment. From the Doctor's reports, most of the patients admitted at first, were using Aloe Vera juice for treatment, but it didn't work well and they were advised accordingly by the Doctors for proper medication. You have been tasks to advise the patients on proper medication they should use.

Task:

As a chemistry student.

a) Advice the residents on the possible mistake made while they chose the product(s) for used.

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b) Advise them on the role of the type of the product they needed to use.

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c) Advise them on some of the challenges associated with the product use and possible measures taken.

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Item 2:

Mr. Nsereko wants to install a more reliable water – reservoir at his home, with intention of collecting rain – water. Much as he has little knowledge about the structural properties of materials including the wellbeing of the environment around him, still he could not make a better choice of the materials he would like to use at his home. You have been approached to make guidance.

Task:

As a Chemistry student:

a) Explain the categories of the materials.

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b) Advise him on the suitability of the materials.

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c) Advise him on the danger associated with the materials to the environment.

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SECTION B (PART I)

Contains only **one** **compulsory** item. Write the answer to this item in the answer sheets provided.

Item 3:

Due to high demand of synthetic paints using Sulphuric acid in the Country, has made the government to allow some of the local investors to set up a production plant for Sulphuric acid in Kilembe mining sites in Kasese District. However, they have been cautioned to be environmental conscious as the production proceeds in the areas. The locals however, also worried whether this will also bring new development in the area at large.

PART II

Contains only **one** **compulsory** item. Write the answer to this item in the answer sheets provided.

Item 4:

Due to increased human population in Nakasongola District, most of the natural forests and water bodies in the areas have destroyed with intention of creating space, making charcoal and fire woods among many more. This attracted the attention of the environmental management authority to intervene the matter. As a result the National Environmental Management Authority (NEMA) is organizing a radio talk show to create awareness to the people and surrounding neighbor hoods, about the dangers of these human activities.

Task:

As a Chemistry student, prepare a write message that will be used during the talk show upon invisitation.

END